

Date: Wed, 17 Mar 93 04:30:03 PST
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #70
To: packet-radio

Packet-Radio Digest Wed, 17 Mar 93 Volume 93 : Issue 70

Today's Topics:

(none)
am i right or wrong?
Aplink directories?
Archive of messages
Entering packet
KA9Q source thanks
Mod for IC-27A and 9600 B
RTTY Journal and the Bowtie
Some advice while I study what to do
SP (Eskay Packet)
Wanted: Info on KA9Q and NNTP
Your Own E-mail Account

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 16 Mar 93 18:35:12 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: packet-radio@ucsd.edu

SUBSCRIBE rec.radio.amateur.packet oscars@uni.ni

Date: Tue, 16 Mar 93 18:14:43 GMT
From: usc!howland.reston.ans.net!gatech!destroyer!cs.ubc.ca!unixg.ubc.ca!

kakwa.ucs.ualberta.ca!ersys!adec23!mark@network.UCSD.EDU
Subject: am i right or wrong?
To: packet-radio@ucsd.edu

"colin mcgregor" <colin.mcgregor@canrem.com> writes:

>the U.S. and Canada figure on about \$5 for an examination fee. For the
>licence itself you need to pay a \$23 yearly fee in Canada, it's free
>in the U.S..

Many Canadian Delegated examiners charge \$0, perhaps, Colin, people in
Toronto make money on it :-)

Communications Canada, as of April 1, will increase the licensing fees
to \$30Can (about \$2.45US :-) :-)

Fine advise otherwise Colin.

Ciao, 73 de VE6MGS/Mark -sk-

Date: Wed, 17 Mar 1993 11:42:06 GMT
From: grebyn!daily!mcharry@uunet.uu.net
Subject: Aplink directories?
To: packet-radio@ucsd.edu

I would appreciate someone's posting fairly recent Aplink directories. My
copies date from August.

Thanks. John WA9FCH

Date: Tue, 16 Mar 1993 16:04:07 GMT
From: usc!elroy.jpl.nasa.gov!swrinde!zaphod.mps.ohio-state.edu!wupost!
spool.mu.edu!torn!csd.unb.ca!u0xh@network.UCSD.EDU
Subject: Archive of messages
To: packet-radio@ucsd.edu

I was wondering if there was an archive site where I can get all or most or
the past articles that were posted here. I am trying to get all the info I can on
packet radio for a friend of mine without net access. I have the faq, but I think
that the messages from here would also be a help to him. He is just starting out
in
this field, has no equipment, but really wants to get into it. Any help would be
greatly appreciated.

Chris Newton

Date: 15 Mar 93 17:56:44 GMT
From: agate!doc.ic.ac.uk!uknet!marble.uknet.ac.uk!warwick!warwick!not-for-mail@ames.arpa
Subject: Entering packet
To: packet-radio@ucsd.edu

In article <9VsF1B1w165w@nj8j.blackwlf.mese.com> ben@nj8j.blackwlf.mese.com (Ben Coleman) writes:

>fiddler@concertina.Eng.Sun.COM (steve hix) writes:
>> Having limited funds, what I'd like to know is if it is
>> generally possible to connect TNC's to handheld transceivers.
>It is indeed possible. I used to remote sysop the W8SP PBBS using an HT
>into a 1/4 wave groundplane up about 30 feet. Whether it is desirable is
>a topic that has spawned many a flamewar. HT's have two things going
>against them for packet use:
>1. The low power may exacerbate the hidden-terminal phenomenon. You may
>find that you do OK when you have the frequency all to yourself, but
>can't get through when there's more than one session going on on the
>frequency.
>2. HT receiver front ends may not be as selective as typical mobile or
>desktop rigs, and thus may be more vulnerable to QRM than mobile or
>desktop rigs. And, unfortunately, a little QRM may make a packet QSO
>impossible.

There is also a third problem which has caused some flaming here in the UK:

Handheld designers don't always pay as much attention to interference potential as designers of higher power rigs. Transmit inhibit seems to disappear BEFORE the synth is properly locked, thus causing momentary transmission on the wrong frequency as the synth moves from RX to TX frequency. This is probably not that important for temporary use portable or with small antennas but has caused some irritationc to users of 144.600 (RTTY) here in the UK, as signals destined for 144.650 (packet) drift through their QSO's every few seconds!

I'm not trying to dissuade people from using handhelds for packet (in fact I am considering using one myself to liberate my multimode), and I have no idea how widespread the problem is - just be aware of it.

Rob

Rob Garth - University of Warwick, Coventry, UK (Electronic Engineering.)
Internet address: esuyw@lily.warwick.ac.uk

```
| Amateur Radio Callsign: G7ELK
| Packet radio: G7ELK@NOARY (Term-time only - Internet<>Packet gateway.)
| G7ELK@GB7SYP (Holiday only.)
```

```
|-----|
|The Death of a disco dancer, | Don't open your eyes,
|it happens a lot round here. | you won't like what you see.
|And if you think peace is a common goal, | The blind have been blessed
|that goes to show how little you know. | with security.
```

Date: Mon, 15 Mar 93 23:10:37 CST
From: newsflash.concordia.ca!mizar.cc.umanitoba.ca!bison!sys6626!inqmind!
jim@uunet.uu.net
Subject: KA9Q source thanks
To: packet-radio@ucsd.edu

acm139@ccs.northeastern.edu (Scott Ehrlich) writes:

```
>
> I just wanted to thank everyone for their responses regarding my posting for
> KA9Q's TCP/IP source code. The result was that the FTP site ucsd.edu
> was the official site for this software. Also, a copy of the source can
> also be found at world.std.com (192.74.137.5) in /pub/hamradio/pc (the World
> hamradio FTP area is maintained by the Boston Amateur Radio Club).
>
>
> Again, thank you all for your help.
```

I have the E020603.ZIP executable. Do I need the source too?

Jim
VE4JAF

jim@inqmind.bison.mb.ca
The Inquiring Mind BBS, Winnipeg, Manitoba 204 488-1607

Date: Mon, 15 Mar 1993 15:34:48 GMT
From: pa.dec.com!ninja!nthead.zso.dec.com!mcleman@decwrl.dec.com
Subject: Mod for IC-27A and 9600 B
To: packet-radio@ucsd.edu

--
Does anybody know what mod is need to use an Icom IC-27A for 9600 baud? Or is it

not worth the effort?

Jeff
(Sick of 1200 baud tcp/ip)

--

Jeff McLeman, KD1IT /7 email: mcleman@zso.dec.com
Redmond, Wa. compuserve: 74710,1332
packet: kd1it @ n7duo.wa.usa.na

Views expressed here are mine, exclusively. They are not in any way connected to my employer.

Date: Tue, 16 Mar 1993 14:30:38 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!uwm.edu!linac!tellab5!
jwa@network.UCSD.EDU
Subject: RTTY Journal and the Bowtie
To: packet-radio@ucsd.edu

I heard that there was an article in the RTTY journal about the Bowtie filter. Has anyone seen it? What's it about.

--

Jack Albert Fellow Radio Buff
Tele (708) 512-7854
Tellabs, Inc. FAX (708) 852-7346
4951 Indiana Ave. jwa@tellabs.com
Lisle, IL
60532 Watch out for

.
/ \\\n/0 0\\
/{==}\\\n-----/ \-----
DA GLITCH MONSTER!!

Date: Mon, 15 Mar 1993 15:06:17 GMT
From: usc!howland.reston.ans.net!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: Some advice while I study what to do
To: packet-radio@ucsd.edu

In article <12MAR199307100057@nssdca.gsfc.nasa.gov> stocker@nssdca.gsfc.nasa.gov (ERICH FRANZ STOCKER) writes:

>I have decided that I would like to get into packet radio. I intend to
>start inexpensively just to be sure that I am going to enjoy this.

>

>I am thinking of getting an ICOM IC 229H and power supply to use in base
>mode. I have an old 286 with 1MB regular mem and 2MB expanded mem. I now
>have to turn my attention to the TNC. I have two requirements: it not
>cost a fortune; it be able to handle KISS so I can try TCP/IP networking.

>

>I would like a TNC that has a good mouse-aware software system to go with
>it. Does the AEA multi-mode TNC meet these requirements? Where can I
>buy a good version of the TCP/IP software to use with packet.

Erich, you can get KA9Q's TCP/IP for *free*. That's a good price for
what is probably the best all around DOS TCP/IP package available. It's
what nearly everyone is using. There are also versions for OS/2, Unix,
and the Mac and Amiga, though those are a few revs behind the DOS versions.
None of them, except the OS/2 version, know what a mouse is.

As to TNCs, there are two choices, an internal card, or a TNC2 compatible
external TNC. I'd say get a PacComm Tiny 2, or MFJ1270 for the external
TNC alternative. Chuck the firmware ROM that comes with them and install
the K3MC KISS only ROM, hex images of this ROM are available free for
downloading and burning. Or, buy a Gracilis board, or Ottawa PI card as
your internal option. These options are all supported by the KA9Q TCP/IP
packages. Some of the KA9Q varients include a full featured BBS, all
include standard AX25 capability in addition to TCP/IP, and all are
multi-session, multi-tasking. You don't need any other software to do
packet.

Gary

--

Gary Coffman KE4ZV		You make it,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.	uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244			

Date: 16 Mar 93 22:55:00 GMT
From: usc!howland.reston.ans.net!agate!doc.ic.ac.uk!uknet!almac!

martin.briscoe@network.UCSD.EDU
Subject: SP (Eskay Packet)
To: packet-radio@ucsd.edu

To: rnielsen@tapr.ampr.ORG (Bob Nielsen)

On 12 Mar 93 18:18:00 GMT, rnielsen@tapr.ampr.ORG (Bob Nielsen) Stated:

BN.Does anyone know of an anonymous ftp site where I can find the latest
.version of SP (software for WA8DED host mode)? Archie struck out on
.this.

Front page of the document file for "Super Packet" by DL1MEN
"I prohibit the distribution of this file via packet radio or any
other electronic means. Violators will be flamed upon"

Don't know why there is the restriction, I think Super PAcket V5 was
fixed so that would only install from an installation disc.

Martin

* 1st 1.10b #405 * Martin Briscoe - Fort William - Inverness-shire - Scotland

Date: Tue, 16 Mar 1993 19:45:13 GMT
From: math.fu-berlin.de!news@uunet.uu.net
Subject: Wanted: Info on KA9Q and NNTP
To: packet-radio@ucsd.edu

I have several questions regarding the use of the KA9Q program and NNTP servers. Any answers will be appreciated. For those who don't know, KA9Q is a program that runs under MS-DOS, that allow one to connect to the Internet using SLFP or PPP protocol (an external driver is needed for SLFP; it's possible that SLIP may also be supported in this way). KA9Q was originally written for use by radio amateurs, but also seems to work well on dial-up Internet links such as those offered by Michnet (in Michigan). I know that some of you who are more familiar with KA9Q will probably laugh heartily at this feeble explanation, but I'm still fairly green at this.

Anyway, what I am trying to do is figure out how the NNTP client in KA9Q's NET.EXE program works. I have been unable to find ANY documentation that even begins to explain it. Nevertheless, I have figured out how to get it to receive newsgroups from a NNTP server (though I'm even having a few minor problems doing that, which might be resolved if I had better documentation). I cannot figure out how to

get it to POST messages to an NNTP server (I realize that not all NNTP servers accept posts, but even in the case of those that do, I have no idea where KA9Q looks for outgoing messages, nor what sort of control files it might expect).

So, I'd like to know where to find some really complete documentation for KA9Q, or failing that, a KA9Q expert that might be willing to answer some questions about the more esoteric points of KA9Q operation. As I say, the documentation I have it pretty abysmal (it doesn't even tell how to configure the BBS functions of KA9Q). The specific things I need to know right now are how to post a message to an NNTP server (that accepts posts), and (if possible) how to keep it from creating subdirectories for newsgroups you don't want (when a message has been posted to multiple groups).

I'd also like to know if there's a particular newsgroup where it would be particularly appropriate to ask further questions about KA9Q, or even a KA9Q-related mailing list.

As for NNTP servers, as I mentioned, I have noticed that relatively few permit open access. This strikes me as just a bit odd since some of them are operated by the same organizations that operate Gopher systems. From where I sit, it is far more efficient to capture all the new messages in a newsgroup and read them offline than to spend time on a Gopher system trying to read messages online one at a time. If someone could explain to me, without flaming, why so many NNTP servers are closed (either do not allow access at all, or do not allow posting access to those outside their organization), I would appreciate it. As I say, it just strikes me odd that some organizations have no problem with folks tying up their online Gopher servers for hours reading news, but don't seem to want folks to have an easy way to capture new messages in a newsgroup and read them offline.

I'd particularly like to find one or more open NNTP servers in the State of Michigan, if anyone knows of any. Failing that, I'd like to know of any in North America. I am told that they used to be plentiful but for some reason, many organizations have restricted access to them. It seems there may be a real need for a greater number of "open" NNTP servers, should anyone care to provide them as a public service. Again, I ask that you not flame me if there is a good reason that such access was discontinued; I haven't been around long enough to know of any incidents that might have led to such action. Please explain, but gently!

I also wonder if it would be possible to offer access to a NNTP server as a menu item on a Gopher system. This would allow those of us who can dial into an online Gopher to connect with the server and pick up messages from various newsgroups without having them interrupted by

control codes, screen clearing codes, etc. Of course, a similar function could be implemented by a revision in the Gopher software, but that would be far more difficult.

I hope these aren't terribly dumb questions, and I *really* hope that somewhere out there, there exists some decent documentation for the KA9Q package. Any help at all will be appreciated!

Oh... PLEASE... I posted this message to several newsgroups since I wasn't sure which one would be the best one, and it's a real effort for me to post a message right now, so I have to make it count. When you reply, PLEASE reply via mail, or if you can't do that for some reason, please prune the Newsgroups line to a more selective subset, or enter a new message with the subject line of "KA9Q and NNTP", or do ANYTHING other than just a straight reply to all the newsgroups in the header, let we both get flamed!

Jack

Jack Decker | Internet: ac388@freenet.hsc.colorado.edu
Fidonet: 1:154/8 or jack.decker@f8.n154.z1.fidonet.org
Note: Mail to the Fidonet address has been known to bounce. :-(

Date: 16 Mar 1993 14:12:38 GMT
From: ucsd.edu!brian@network.UCSD.EDU
Subject: Your Own E-mail Account
To: packet-radio@ucsd.edu

jdelancy@tecneta1.jcts.mil writes:
>I've seen numerous people ask to be dropped from the mailing list
>because they have been "warned" about getting "personnal mail" on their
>company provided E-mail accounts.

Oh really? I'm the coordinator of this mailing list, and >> I've << never seen anyone ask to be dropped because they weren't supposed to be getting personal mail at work. Are you sure you saw this?

In fact, the packet radio mailing list is maintained by a robot.
Subscription processing doesn't require a reason; the robot doesn't care why you're leaving.

- Brian

Date: Tue, 16 Mar 1993 16:30:08 GMT
From: news.acns.nwu.edu!casbah.acns.nwu.edu!lapin@network.UCSD.EDU

To: packet-radio@ucsd.edu

References <1993Mar15.152019.19496@news.acns.nwu.edu>, <1o2g00\$68u@agate.berkeley.edu>, <1993Mar15.211030.65197@cc.usu.edu>
Subject : Re: TCP/IP for BAYCOM

>Refs to previous articles about drivers for TCP/IP on Baycom modem deleted...

>There is also one in the NOS docs, NOSVW304.ZIP, available at ucsd.edu also.
>It is an executable, in case you don't have an assembler.

>I haven't used it, but it is an ax25 driver designed specifically for the NOS
>programs, and a BAYCOM-style modem.

>

>That was why I was looking for the schematics to the modem earlier, I want to
>free up my TNC for my other computer, instead of running my BBS on it.
>I'll post a result report as soon as I get it built (hopefully in the next week
>or two).

>

>-----The Ex-Royal Gigolo of the House of Norwedia-----
> / | "I drank WHAT?" -Socrates
> \ uper |)an |-|olmes | "I love the smell of Napalm in the morning" -Big Duke:
> / 'N7NKR' | Apocalypse Now
>-----

>I'net: sltmw@cc.usu.edu sltmw@cache.declab.usu.edu Bitnet: sltmw@usu.bitnet

Dan: I built a Baycom modem by modifying the schematic found via FTP at ucsd.edu. The file name was TCM3105.ZIP and contained a postscript file for the schematic and a parts list.

The Tigertronics modem that I was using, which got its power from the RS232 port, gave me a lot of trouble. It did not generate true RS232 signal but depended on the COM port being able to recognize TTL levels as RS232. My computer could not. The schematic at ucsd.edu does the same thing - it sends TTL levels to the computer.

The last straw was when the Tigertronics burned out and took my RS232 driver from the COM port with it. After fixing the COM port, I decided to build my own packet modem rather than trying to fix the Tigertronics. I am using an AMD7911, which is jumper selectable for 1200 or 300 baud (in case you want to try HF packet) but is not a CMOS chip and thus cannot be powered from the COM port.

I designed it in its own box with its own + and - power supplies. I receive RS232 from the COM port into an MC1489 and send RS232 to the COM port with an MC1488. I finished it a couple of weeks ago and it has been working wonderfully.

After building it, I was trying to fix a PK88 and imaging my surprise when

I saw what they used - an AMD7910.

Good luck with packet.

Greg Lapin KD9AZ

End of Packet-Radio Digest V93 #70
